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CENTRAL INTELLIGENCE AGENCY 25X1

INFORMATION REPORT

REPORT [redacted]

CD NO.

ED
4/14

COUNTRY Germany (Russian Zone)

SUBJECT Improvement and Expansion Plan for the Elektrochemisches Kombinat for 1951

PLACE ACQUIRED [redacted]

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1. The following report is a translation of the 1951 technical expansion and improvement plan for the Elektrochemisches Kombinat of the SAG "Kaustik":

Designation of the project and short description	Cost (DM)	Completion Date
Inorganic Department		
Calcined potash Production increase to 850 tons per month through the installation of another evaporator.	150,000	1 September 1951
Chlorates Continuation of the general overhauling for the maintenance of production. Expansion of the solvent and filtering plants, of the evaporation plant. Repair of the buildings and refining plant.	570,000	1 December 1951
Graphite Expansion of the plant by addition of 4 graphitizing furnaces (increased production, 775 tons per month).	350,000	1 July 1951
Sesquioxide of chromium Resumption of production from 1 July 1951 with 20 tons per month.	250,000	1 July 1951
Red phosphorus Resumption of production to amount to from 8 to 10 tons per month.	150,000	1 July 1951

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Designation of the project and short description	Cost (DM)	Completion Date
Yellow phosphorus Installation of a second phosphorus furnace. Increase of production by 125 tons per month.	1,200,000	31 December 1951
Hydrochloric acid Expansion of the combustion plant by 4 furnaces with the necessary accessories.	310,000	1 February 1951
Potassium chlorate (chemical) New production, 250 tons per month from 1 October 1951.	300,000	1 October 1951
Potassium chlorate (chemical) Conversion of 6 Billiter baths into 12 Wellrost baths. Additional production: 1,000 tons of potassium hydroxide per year.	90,000	1 August 1951
Processing of Cottrell dust into phosphates.	50,000	31 December 1951
Nitrogen Department		
Installation of a chromium steel absorption column as well as a cooler and a reagent vessel in the crude nitrate plant. Increase of daily production: 6 tons nitrate - N.	350,000	1 July 1951
Organic Department		
Tricresyl phosphate Increase of production from 300 to 350 tons per month through the installation of additional apparatus, such as: 4 converters with coolers 4 distillation ovens with accessories, such as vacuum pumps, etc., various storage and mixing vessels.	-	31 March 1951
Formic acid and calcium formate Resumption of production of 100 tons per month.	400,000	1 October 1951
Hexa products Erection of a manufacturing plant for the production of 480 tons per year of "Stäubemittel".	150,000	1 March 1951

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Designation of the project and short description	Cost (DM)	Completion Date
Benzoic acid Increase of production from 12 to 24 tons per month.	200,000	30 September 1951
Oxalic acid Overhauling of the existing plant for the maintenance of production. General repairs to the refrigerator. Overhaul of 2 absorption columns (erection of 2 V2A columns) 2 emergency V2A spiral condensers. 1 centrifuge (V2A-plated). Moving of recrystallization and drying to the acid factory.	300,000	1 July 1951
Phosphorus chloride Increase of production to 2,200 tons per year through the installation of a chlorinating plant.	-	1 April 1951
Methylene chloride (new production) Erection of a manufacturing plant to produce 100 tons of methylene chloride per month.	300,000	1 December 1951
Carbon tetrachloride Overhauling of the plant. Replacement of the surface cooler with a spiral cooler at the chlorinating plant. Increase of production to 400 tons per month.	70,000	1 April 1951
Chloral Overhauling of the plant.	75,000	1 July 1951
Synthetic Materials Department		
Vinidur - semi-finished products Increase of the production from 50 to 100 tons per month through the installation of: 2 extruding presses 3 rolling mills	250,000	1 April 1951
Special foils (new production) The following are needed to start manufacture: 1 calender 2 rolling mills	-	1 February 1951

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Designation of the project and short description	Cost (DM)	Completion Date
Floor covering (new production) The following are needed to start manufacture: 1 calender 4 rolling mills	600,000	1 April 1951
Plate production To be increased from 10 to 20 tons per month through the installation of 2 presses already on hand.	270,000	1 September 1951
North Works		
Barium carbonate or barium nitrate Erection of a production plant (new production). Production: 3,000 tons of barium carbonate per year.	300,000	1 October 1951
Installation of 20 Hocker cells (Replacement of old Billiter baths).	400,000	1 October 1951
Ferro alloys Ferro-tungsten 250 tons per year Ferro-vanadium 40 " " " Ferro-molybdenum 40 " " " Ferro-titanium 30 " " " 360 " " "	1,250,000	1 October 1951
Ammonium para-tungstate Resumption of production of 50 tons per year.	150,000	1 October 1951
Light Metal Department		
Establishment of a sand dressing plant for the improvement of the quality of the sand.	60,000	1 August 1951
Aluminum Plant		
Extension to a yearly capacity of 15,000 tons of aluminum. New production: 1st quarter 750 tons 2nd " 750 " 3rd " 750 " 4th " 2,750 "	15,500,000	30 September 1951 31 December 1951
Transfer of the calcium – copper electrolysis plant (caused by the extension of the aluminum foundry).	500,000	31 December 1951

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Designation of the project and short description	Cost (DM)	Completion Date
Miscellaneous		
Connecting electrodes Increase of production through the installation of 4 casing presses and 3 wire straightening and cutting machines and 1 drying stove as well as a mixing and canting machine.	200,000	1 July 1951

[redacted] Comment: Since early July 1950, [redacted] [redacted] the following projects have been added:

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1. Plant for the production of 10,000 - 50,000 tons of alumina (Tonerde) annually. The raw material will be clay (Ton), not bauxite. This plant will be constructed in Aluminum Plant II. The new plant for the annual production of 15,000 tons of aluminum will be erected in Aluminum Plant I, thus entailing the removal elsewhere of the copper calcium electrolysis plant at present housed there.

2. Plant for the annual production of 3,000 - 6,000 tons of magnesium. This plant is to be completed before the end of 1951.

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